# B. Langdon,

## Planing Shingles.

No. 556. Patented Jan. 9, 1838.

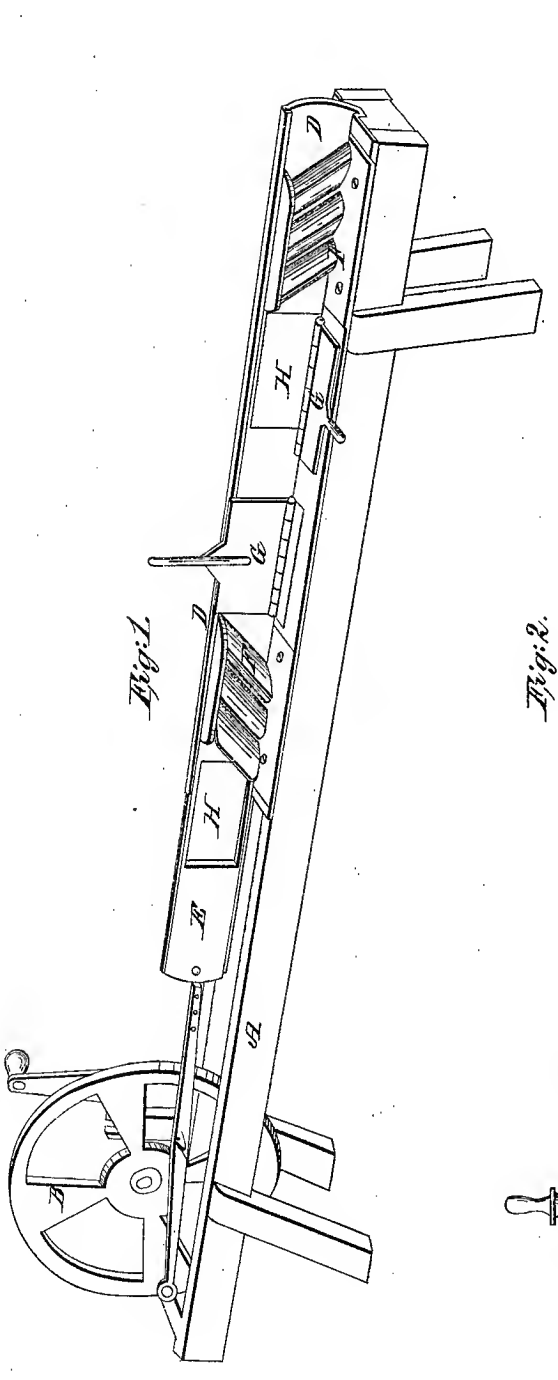

Fig. 1.

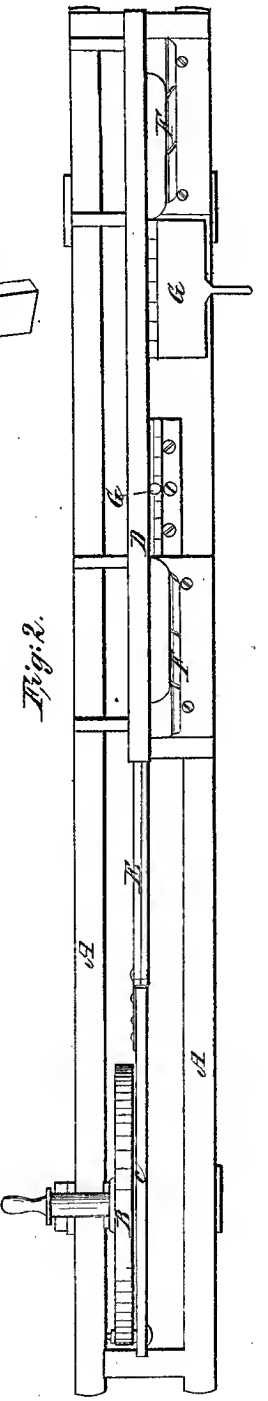

Fig. 2.

# UNITED STATES PATENT OFFICE.

BARNABAS LANGDON, OF TROY, NEW YORK.

## MACHINE FOR SHAVING SHINGLES.

Specification of Letters Patent No. 556, dated January 9, 1838.

*To all whom it may concern:*

Be it known that I, BARNABAS LANGDON, of the city of Troy, in the county of Rensselaer and State of New York, have invented a new and Improved Mode of Planing or Dressing Shingles; and I do hereby declare that the following is a full and exact description.

The nature of my improvement consists in providing machinery that will produce a horizontal reverberatory movement by which the shingle to be planed or dressed is to be carried in one direction flat-wise across the face of a plane stock set with two or more planing or cutting irons in such manner as to reduce the shingle if in the rough state or having been split out or rived only and smooth it with all—or if a sawed shingle to smooth it only the planes being fixed in their position. For this purpose a frame A, is to be provided about three feet wide and of a length that will allow a wheel and crank B at one end with a shackle bar C connected or such other known and approved machinery as may be adapted for producing the back and forward movement required. And a plane stack at the other end. With such room between for the other appendages to be described as their dimensions to be indicated in this description or in the operation of the machine may require. There may be two planers to one machine in which case, one being at the end of the frame opposite to the operating power as above intimated, the other is to be fixed about the middle. The face of each is to be vertical and placed lengthwise on a line with each other about the center of the frame. The plane stacks F, F, may be secured in their place by a bottom flange extending out to the side of the frame or near it. There are to be two or more planing irons in each—the edges of which are to be in an inward direction or toward the other plane, and the line of the edge of each iron in its direction from the button toward the top of the plane should be inclined inward also so as to cross the face of the plane obliquely or at an angle of about forty-five degrees. The face of each stack should be so formed as to prevent the irons from cutting in deeper than the gage at which they are set—this may be done by its being made to bear upon the shingle immediately before each cutter or at the forward edge of the throat provided for each.

In order to carry the shingle before the plane a slide E, is to be provided and placed vertically on one edge with its face near to the face of the planes—so as to move backward and forward in the direction of its length in the same relative position before them—it being connected at one end with the operating power of the machine. It is to be guided and supported in this movement by means of a perpendicular fixture of the frame D, with a groove, channels or other provisions in and by which its upper and lower edges may pass snugly and easily in its operation.

At each inward returning point of the slide a bedplate in nature of a socket is to be made and secured in the face of the slide so as to receive a shingle flatwise first inside of the plane stack before which it is to be carried and also at the outward returning point of the slide the bed or socket will be far enough beyond the plane stack to throw out the shingle. The form of each bed or socket H, H, should correspond with that to be given to the shingle in respect to butt and point and its position in the slide to be such as to pass before the plane in a lengthwise direction, or crosswise should occasion require, in which case the width of the slide and of the planes should be made to correspond with that position. Immediately opposite each bed when at its inward point, two clamps G, G, as wide as the slide and as long as the bed is to be fixed to the frame so as to be movable on a hinge joint at the bottom this by means of a handle attached to its upper edge is to be brought up flatwise against the shingle so as to hold it in its place until carried forward before the face of the plane.

What I claim of the above described improvements as my invention and desire to secure by Letters Patent is—

1. The slide with its seat or chucks for holding the shingle and giving it its proper taper, the manner of screwing it in its bed by means of the clamps, and carrying it before the face of the plane.

2. And also the general combination of the different parts, by the union and arrangement of which the aforesaid results are produced in the manner above described.

Subscribed this 13th day of Feby 1837.

BR. LANGDON.

Witnesses:

JOHN C. LANGDON,

HENRY A. LANGDON.